

## ABSTRACT

A reliable system and method for distributing a file from a first node to a plurality of recipient nodes is provided. The method comprises attempting to distribute a plurality of subfiles that comprise a file from a first node to a first group comprising a plurality of recipient nodes, wherein the first node attempts to distribute at least one subfile to each recipient node of the first group but not all of the plurality of subfiles are distributed from the first node to any of the recipient nodes of the first group. The method further comprises detecting whether one of the plurality of recipient nodes of the first group has failed, and if a recipient node of the first group has failed, managing the distribution of the plurality of subfiles to detour their distribution around the failed node such that the file is distributed to each non-failed node of the plurality of recipient nodes.